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*Experimental Study***The effects of heparin on DLD-1 colon cancer cell line**

Uzun Y, Akdogan E, Ozdemir F, Ovali E 3
 Heparin has no significant anti-proliferative and apoptotic effects on colon cancer cells, in vitro. More advanced studies are needed regarding the effect of heparin on colon cancer.

*Clinical Studies***Distribution of the 22 cytokine gene polymorphisms in healthy Macedonian population**

Trajkov D, Arsov T, Petlichkovski A, Strezova A, Efinska-Mladenovska O, Gogusev J, Spiroski M 7
 Distribution of cytokine gene polymorphisms may vary significantly among different ethnic groups, and eventually contribute to observed differences in disease frequencies. The results of cytokine polymorphisms in Macedonian population can be used for anthropological comparisons, as well as for association studies with different diseases.

Laboratory testing of hereditary thrombophilia:**Previous data in the face of verification**

Melus V, Kiricova G, Simek M 18
 In the population in the Lower Nitra region was revealed considerably lower frequency of the FVL mutation (10.2 %) compared to neighbouring caucasian populations, whereby differences in the PT 20210 mutations are minor.

Plasma hyaluronidase activity as an indicator of atherosclerosis in patients with coronary artery disease

Mine Kucur, Bilgehan Karadag, Ferruh K Isman, Yusup Ataev, Dursun Duman, Nalan Karadag, Zeki Ongen, Vural A Vural 21
 The aim of this study is to investigate the association of plasma hyaluronidase activity with atherosclerosis in non-diabetic patients with stable coronary artery disease. In the present study hyaluronidase activity was found to be associated with coronary artery disease reflecting the role of hyaluronan in atherosclerosis. We believe that the demonstration of relationship between serum hyaluronidase activity and atherosclerosis represents a remarkable finding highlighting the potential role of hyaluronan in pathophysiology of atherosclerosis.

Analysis of surgical complications of thyroid diseases: results of a single institution

Murat Akin, Osman Kurukahvecioglu, Ahmet Ziya Anadol, Osman Yuksel, Ferit Taneri 27
 The purpose of this study is to compare the complications of different types of thyroidectomy for benign and malignant thyroidal diseases. RLNI and HPT are the most common complications of after thyroid surgery but they may be avoided with an accurate technique.

Thyroid diseases in children and adolescents

Calkovsky V, Hajtman A 31
 The aim of the study was to analyze pediatric patients with nodular thyroid diseases. Thyroid diseases are the second most frequent endocrinopathy in children and adolescents with girls being more frequently affected. It is multidisciplinary problem requiring cooperation of specialists in different fields of medicine. In patients with thyroid diseases not responding to conservative treatment or with clinical signs of mechanical syndrome surgery is appropriate therapy.

Surgical interventions in patients with chronic constipation refractory to intensive medical treatment

Samet Yalcin, Bulent Yalcin, Ethem Gecim I 35
 Management of patients with chronic constipation (CC), irresponsive to medical treatment, is very difficult. There are some

surgical approaches reported for the treatment. In this study we aimed to assess the results of different surgical procedures in patients with severe CC who were refractory to intensive medical treatments. Surgical interventions may be beneficial in selected patients with refractory chronic constipation.

Osteoplastic static thumb replacement for the total traumatic thumb loss

Burda R, Kitka M 38
 The authors present a case with complete thenar loss in which reconstruction was done in an unusual way. Primarily we covered the thenar defect with inguinal flap and secondarily we made thumb bone replacement with heterogenous bone block fixed to the second metacarpal bone.

A single-surgeon, single-institute experience of 115 Lichtenstein hernia repairs under local anesthesia

Samet Yalcin, Emre Ergul 43
 In this study, the authors wanted to emphasize the effectiveness of local anesthesia in groin hernia repair by single-surgeon's experience. Lichtenstein mesh repair under local anesthesia is an effective day case technique, particularly in the elderly and medically unfit patients. The economic benefits are enhanced by low morbidity and low recurrence rates.

Low-molecular weight heparin Enoxaparin in the treatment of acute coronary syndromes without ST segment elevation

Mitrovaska S, Jovanova S 45
 The use of Enoxaparin in ACS-NSTE shows an impressive decrease in ischemic events, stable anticoagulation effect, no need of lab monitoring, shorter period of hospitalization.

The PlasmaKinetic tissue management system in thyroid surgery

Emre Ergul, Ali Erkan Ucar, Samet Yalcin, Ahmet Kusdemir 49
 Thyroid surgery involves meticulous devascularization of the gland. Although conventional technique is highly efficient for hemostatic control, it is time-consuming. The aim of this study was to evaluate the efficacy of PlasmaKinetic compared to conventional technique. PlasmaKinetic technique decreases the operation time to a level of less than 50 minutes with no increase in complication rate.

An epidemiological cross-sectional study of the knowledge of the clinicians on surgical ethics of informed consent in emergency patients

Faruquzzaman 54
 This was an epidemiological cross-sectional study on the knowledge of the clinicians on the surgical ethics, especially regarding informed consent in patients undergoing emergency surgery in the various units of the General Surgery Department, Chittagong Medical Hospital, Bangladesh. 98 Graduate and 28 post graduate clinicians were included in this study.

Amebic perforation of small bowel: an unexpected localization of a fatal complication

Mehmet Ozer, Emre Ergul, Cem Donmez, Ibrahim Cagatay Sisman, Burak Veli Ulger, Ahmet Kusdemir ... 59
 The intestinal protozoan parasite *E. histolytica* is the causative organism responsible for human amebiasis and amebic dysentery. The clinical spectrum of colorectal amebiasis ranges from the state of asymptomatic carrier to severe fulminant necrotizing colitis. Here we present an extremely rare case of necrotizing amebiasis of small bowel with a fatal outcome